ADDENDUM #1
INFORMAL BID 2020-126

Kitsap County Department of Public Works
Sewer Utility Division

2020 Polymer

TO: All Respondents

FROM: Vicki Martin, Buyer

CLOSING DATE: September 2, 2020 at 3:00 PM **(UNCHANGED**)

REF NO.: 2020-126 RFP

DATE: July 28, 2020

The following information is provided to assist in responding to the above referenced proposal in response to the questions submitted by Polydyne, Inc. on July 20, 2020.

1. What are the current products and prices on the polymers the County is using for dewatering and thickening?

   KC – The dewatering centrifuge is using Zetag 8849FS. The thickening (RTD) is using Zetag 8847FSD. The current prices are not relevant to this bidding process.

2. Under "Testing Specification" number 4, it states "all polymers will be tested with the same machine adjustments (backdrive settings), and at the same sludge flow. To clarify, are vendors allowed to make any adjustments to the centrifuge settings?

   KC – The vendors can request adjustments to the centrifuge settings within manufacturer's parameters, with advice from plant staff and upon plant staff approval. The centrifuge will be fed at a constant flow rate (approximately 145 gpm) during the optimization and trial period and will not be adjusted.

3. What will the dosage increment be during the trial period prior to collecting samples?

   KC – The County does not understand the question.

4. Will the vendor be provided an optimization period prior to the "five discrete dosage" adjustments for thickening and dewatering? If so, how long will be made available?

   KC – Plant staff will start the centrifuge and make initial adjustments for the current conditions. Once the centrifuge is processing per normal operating procedure, the vendor has 2-hours to optimize or test performance before beginning the test period.

5. Does the vendor get to decide what dosage they would like to start at prior to the "five discrete dosage" adjustments for thickening and dewatering?

   KC – The vendor may change the dosage during the optimization period before beginning the trial. Please see response to question 7.

6. Testing Specifications states there will be five dose adjustments and at the 30- and 45-minute interval samples will be collected. Will one cake and centrate sample be collected at 30 minutes and the second sample set collected at 45 minutes?

   KC – For dewatered cake and centrate samples; 1) a dose adjustment is made, 2) at 30 minutes the sample is collected, 3) at 45 minutes a sample is collected. Equal portions of both samples will be combined into one sample and sent to the Treatment Plant Laboratory for analysis.

7. Does the County decide what the dose adjustment will be? If so, will all vendors be required to make the same adjustment? What will the adjustment be?

   KC – The makeup of the polymer dose concentration (solution strength) can be determined by the vendor with prior notice. Once the polymer is mixed and stored in the aging tank, the dose adjustments can only be made by adjusting the polymer feed pump speed. Dilution water feed rate can be set by the vendor during the optimization period only.

8. Do all five averaged cake samples need to meet the respective cake solid and recovery requirements? Or does the County only require one of the average sample sets to satisfy the bid requirements?

   KC – The average of all 5 samples analyzed for the trial period must meet the performance requirement.

9. How will the County measure and document the polymer dose at each adjustment?

   KC – The batch concentration made up and stored in the mixing/aging tanks will be recorded on Appendix C worksheet under "Aging Tank Solution Strength". Polymer feed pump rates will be recorded on Appendix C worksheet under ("Polymer Solution Applied, GPM"). Data entries and calculations will be recorded for each sample set.

10. Will all participating vendors trial with feed from the same digester to ensure a level playing field: either East or West digester?

    KC – All polymer trial runs will be fed from the East Digester.

11. The estimated annual usage states the number of active pounds of polymer used. Does that mean the County uses approximately 190,000 active pounds of polymer per year, which would equate to approximately 463,415 lbs. of neat emulsion polymer per year assuming the neat polymer is 41% active?

    KC - Correct

12. Will the County notify all participating vendors on the County's intent to award?

    KC – Yes, the Procurement Office will provide the bid tabulation information to all participating bid submitters. If the department choses, the notice of award information could also be made available through the Procurement Office after the final decision is made.

END OF ADDENDUM #1